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Contract Number: NAS 9-13303

# Quantitative Determination of Stratospheric Aerosol Characteristics

After talking with Bill Johnson, assistant to the contract monitor, it became clear that a trip to Houston was appropriate. The acquisitions during SL3 appeared to be sub-optimal and further instructions seemed advisable to better profit from future SL4 acquisitions. During the week in Houston the SL3 data from S190 and S191 were reviewed. Exposure settings for S190 were revised, and S191 pointing procedures were modified. Also a meeting was held in which the formats and difficulties in creating and deciphering the data tapes were discussed. Time was profitably spent with Dr. J. Potter, Co-investigator, mostly in reviewing the best methods and mathematics for inverting the slant path geometry both for  $180^\circ$  and non- $180^\circ$  scatter.

No data was acquired on SL2; data from SL3 has not been received. After reviewing SL3 data in Houston, it was determined that SL4 data would be required to satisfy experiment objectives. Therefore, it is intended that the project continue in the meantime at a lower level of effort than was originally projected.

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